

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-20. (Canceled)

21. (Currently Amended) A process for the production of ~~substantially pure~~ purified recombinant intact hPTH, comprising the steps of:

- (a) providing a microorganism that is engineered genetically to produce exogenous and intact hPTH(1-84), wherein said microorganism is selected from the group consisting of *Escherichia coli* and yeast;
- (b) expressing said intact hPTH(1-84) within said microorganism, wherein said microorganism comprises DNA encoding hPTH(1-84); and
- (c) purifying said intact hPTH(1-84) so as to produce an intact hPTH(1-84), wherein the intact hPTH(1-84) so produced: (1) reacts with antibodies against human PTH in a manner identical to the native hPTH(1-84) hormone, (2) has the molecular weight of the native hPTH(1-84) hormone, and (3) migrates as a single band of approximately 9000 daltons when subjected to gel electrophoresis;
wherein purified recombinant intact hPTH(1-84) is produced.

22. (New) A process for the production of recombinant intact hPTH (1-84), comprising the steps of:

- (a) providing a microorganism that is engineered genetically to produce exogenous and intact hPTH(1-84), wherein said microorganism is selected from the group consisting of *Escherichia coli* and yeast;
- (b) culturing said microorganism to produce a culturing medium containing said PTH; and
- (c) extracting said intact hPTH(1-84) from said culturing medium, wherein the intact hPTH(1-84) so extracted (1) reacts with antibodies against human PTH in a manner identical to the native hPTH(1-84) hormone, and (2) has the molecular weight of the native hPTH(1-84) hormone, and (3) migrates as a band of approximately 9000 daltons when

subjected to gel electrophoresis;

wherein purified recombinant intact hPTH(1-84) is produced.